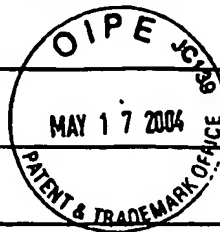


Form PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
P23693Serial No.  
10/646,884INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT  
(Use several sheets if necessary)Applicant  
Hiroshi NOMURAFiling Date  
August 25, 2003Group  
2851

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>ll</i>	2004	/0 0 4 2 0 9 5	03/04/04	NOMURA			
<i>ll</i>	2004	/0 0 4 2 0 9 3	03/04/04	NOMURA			
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<i>ll</i>	2004	/0 0 5 1 9 6 8	03/18/04	NOMURA			
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<i>ll</i>	2004	/0 0 5 1 9 6 9	03/18/04	NOMURA			
<i>ll</i>	2004	/0 0 5 1 9 6 7	03/18/04	NOMURA			
<i>ll</i>	2004	/0 0 4 2 7 7 5	03/04/04	NOMURA			
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<i>ll</i>	2004	/0 0 5 1 9 8 1	03/18/04	NOMURA			
<i>ll</i>	2004	/0 0 4 2 0 9 2	03/04/04	NOMURA			
<i>ll</i>		4 5 2 5 0 5 0	06/25/85	OHASHI			
<i>ll</i>		4 6 4 3 5 5 5	02/17/87	WAKABAYASHI			
<i>ll</i>		4 7 2 1 9 7 2	01/26/88	WAKABAYASHI			
<i>ll</i>		4 7 9 2 8 2 2	12/20/88	AKIYAMA et al.			
<i>ll</i>		5 8 1 8 6 4 7	10/06/98	NISHIO et al.			
<i>ll</i>		6 0 3 1 9 9 8	02/29/00	SHONO			
<i>ll</i>		4 4 5 1 1 2 9	05/29/84	IKARI et al.			
<i>ll</i>		4 6 4 3 5 5 4	02/17/87	OGAWA			

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8/19/04

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4	7	7	1	3	0	3	09/13/88	MATSUMOTO et al.	1		
		4	8	8	7	1	0	7	12/12/89	NAKAMURA et al.			
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		5	7	6	5	0	4	9	06/09/98	HASE et al.			
		5	8	3	2	3	2	6	11/03/98	TANAKA			
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		6	0	6	4	5	3	3	05/16/00	KENIN et al.			
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	2001	0	0	2	4	5	7	3	09/27/01	NOMURA et al.			
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	2002	0	1	3	5	9	0	1	09/26/02	NOMURA et al.			
	2003	0	0	8	1	3	2	7	05/01/03	NOMURA et al.			
	2002	0	1	3	5	8	9	6	09/26/03	NOMURA et al.			
		6	0	5	5	1	1	6	04/25/00	NOMURA et al.			
		6	2	0	4	9	7	7	03/20/01	IWASA			
		5	4	3	0	5	1	6	07/04/95	UZIIE et al.			
	2003	0	0	8	1	9	4	8	05/01/03	NOMURA et al.			
	2001	0	0	1	9	4	5	8	09/06/01	NOMURA et al.			
		4	9	9	3	8	1	5	02/19/91	YAMAZAKI et al.			
		5	7	3	1	9	1	3	03/24/98	IMANARI			
		5	7	3	9	9	6	2	04/14/98	ASAKURA et al.			
	2003	0	1	5	6	8	3	2	08/21/03	NOMURA et al.			
		5	5	8	7	7	5	4	12/24/96	KATAYAMA et al.			

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Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P23693		Serial No. 10/646,884	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use several sheets if necessary)				Applicant Hiroshi NOMURA			
				Filing Date August 25, 2003		Group 2851	

FOREIGN PATENT DOCUMENTS														
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	5	8	1	4	5	9	3	0	08/31/83	JAPAN				
	6	1	-	6	9	0	0	2	04/09/86	JAPAN				
	6	1	2	7	0	7	3	7	12/01/86	JAPAN				
	6	3	1	4	9	6	2	9	06/22/88	JAPAN				
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	6	-	1	8	7	7	7	7	01/28/94	JAPAN				X
	7	-	1	9	1	2	4	9	07/28/95	JAPAN				
	11	-	1	0	9	2	0	3	04/23/99	JAPAN				
	5	8	-	1	0	7	0	8	01/21/83	JAPAN				
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		2	2	6	2	3	5	6	06/16/93	UNITED KINGDOM				
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		2	3	0	9	5	5	1	07/30/97	UNITED KINGDOM				
		2	3	4	4	6	6	2	06/14/00	UNITED KINGDOM				
		2	2	6	1	2	9	8	05/12/93	UNITED KINGDOM				
	2002	-	2	7	7	7	1	9	09/25/02	JAPAN				
	10	-	2	8	2	3	9	4	10/23/98	JAPAN				
	58	-	1	6	2	9	1	4	09/27/83	JAPAN				
		0	6	3	4	6	8	0	01/18/95	E.P.O.				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	1	English Language Abstract of JP 58-10708.
	2	English Language Abstract of JP 2003-207709.
	3	English Language Abstract of JP 2002-277719.
	4	English Language Abstract of JP 10-282394.
	5	English Language Abstract of JP 58-162914.

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6 0 5 2 5 3 5	04/18/00	UNO			
		5 2 2 3 8 7 3	06/29/93	TSUBOI			
		5 0 8 6 3 1 2	02/04/92	TANAKA et al.			
		5 4 9 9 1 4 3	03/12/96	SAKAMOTO et al.			
		6 0 6 9 7 4 5	05/30/00	FUJII et al.			
		6 3 2 4 0 1 9	11/27/01	TAKANASHI et al.			
		5 4 8 5 3 1 5	06/16/96	NOMURA et al.			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	1	0 - 3 2 7 4 0	02/03/98	JAPAN			X
	7	- 2 8 8 7 2 4	10/31/95	JAPAN			X

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

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